



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Therma-Tru Corporation
1687 Woodlands Drive
Maumee, OH 43537

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Premium" Series Inswing Insulated Steel Entrance Door with Steel Frame - Impact Resistant

APPROVAL DOCUMENT: Drawing No. S-2241, dated 03/01/02, titled "Inswing Premium Series Steel Door with Steel Frame", sheets 1 through 7, prepared by R W Building Consultants, Inc., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No 02-0215.06
Expiration Date: May 30, 2007
Approval Date: May 30, 2002
Page 1

THERMA-TRU®

"PREMIUM SERIES" INSWING

FIRE RATED INSULATED STEEL DOORS W/STEEL FRAMES

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE FLORIDA BUILDING CODE.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. IMPACT RESISTANT SHUTTERS NOT REQUIRED
5. THIS PRODUCT DOES NOT MEET THE WATER REQUIREMENTS FOR HIGH VELOCITY HURRICANE ZONES.

RESIDENTIAL INSULATED STEEL DOOR (Common to all frame conditions)

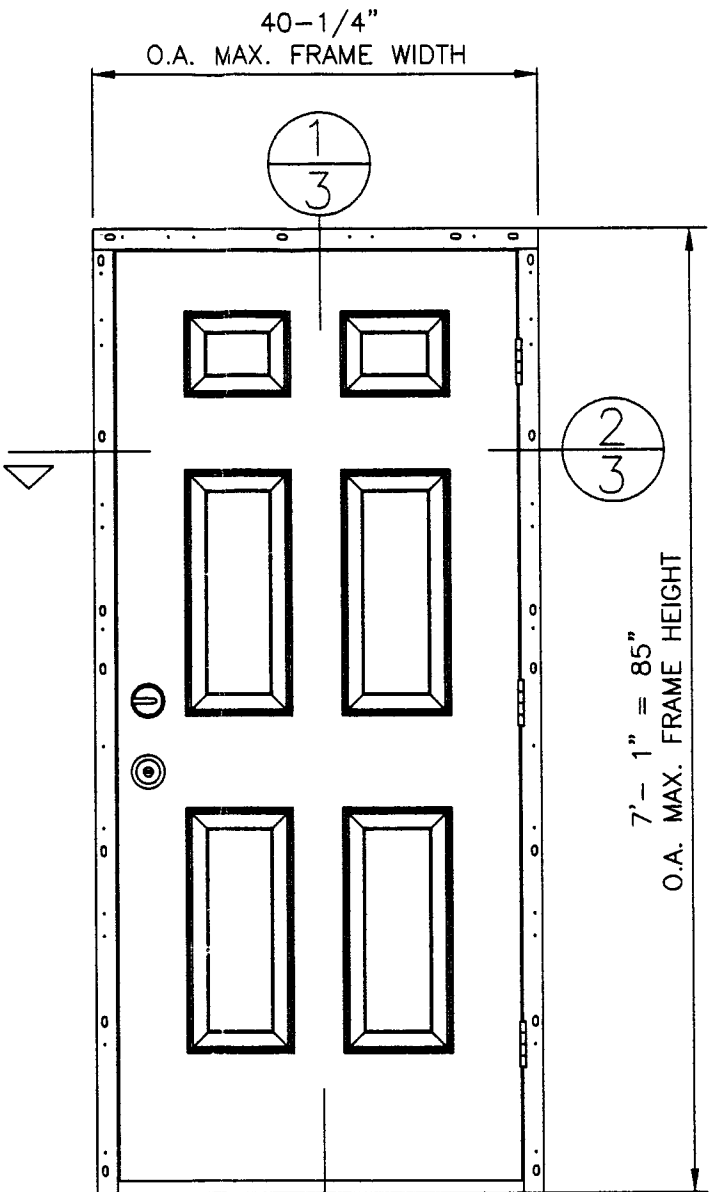
Door Leaf Construction:

Face sheets: 24 ga. (0.024") minimum thickness, Galvanized steel A-525 commercial quality - AKDQ per ASTM 620 with yield strength $F_y(\text{ave.})=23,300$ psi.
Core design: Polyurethane core, two-parts Isocyanate Resin components foam, with 2.15 lbs. density.

Construction: Flush or embossed type. The vertical edges are extensions of the skin, rolled formed to a mechanical interlock, horizontal edges are welded together at two places each.

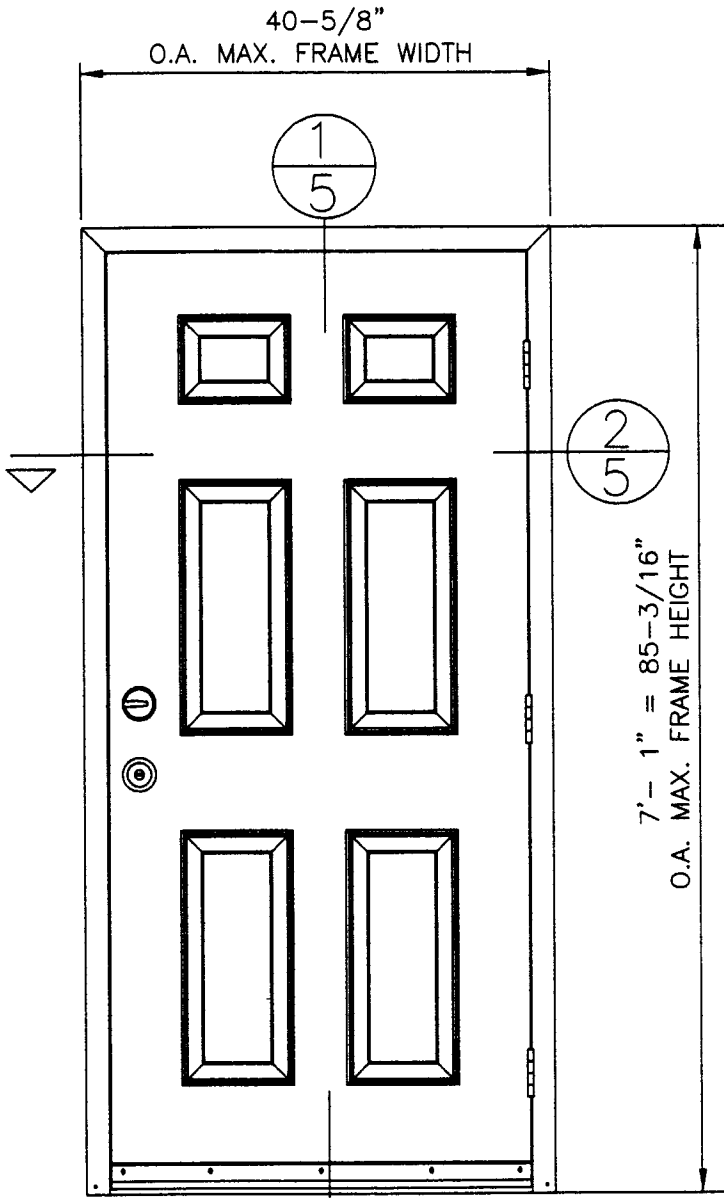
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3	ADJUSTA-FIT (CROSS SECTIONS)
4	UNIVERSAL (BILL OF MATERIAL, ELEVATION & LOCK DETAIL)
5	UNIVERSAL (CROSS SECTION)
6	UNIVERSAL (ANCHORING LAYOUT)
7	UNIVERSAL (ANCHOR OPTIONS)



ELEVATION VIEW
SPLIT JAMB STEEL FRAME
W/MULTI-PIECE THRESHOLD
VIEW FROM INTERIOR

DESIGN PRESSURE RATING		
UNIT TYPE	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	
SPLIT JAMB STEEL FRAME	+85.0	-85.0 PSF
RESIDENTIAL H.M.F.	+60.0	-60.0 PSF



ELEVATION VIEW
RESIDENTIAL HOLLOW METAL FRAME
W/MULTI-PIECE THRESHOLD
VIEW FROM INTERIOR

Approved as complying with the
Florida Building Code
Date May 30 2002
NOA# 02-0215-06
Miami Dade Product Control
Division
By Manuel Perez

THERMA-TRU CORPORATION
1687 WOODLANDS DRIVE
MAUMEE, OHIO
PH. (800) 537-8827

PRODUCT:
INSWING PREMIUM SERIES
STEEL DOOR
WITH STEEL FRAME
PART OR ASSEMBLY:
GENERAL NOTES
AND ELEVATIONS

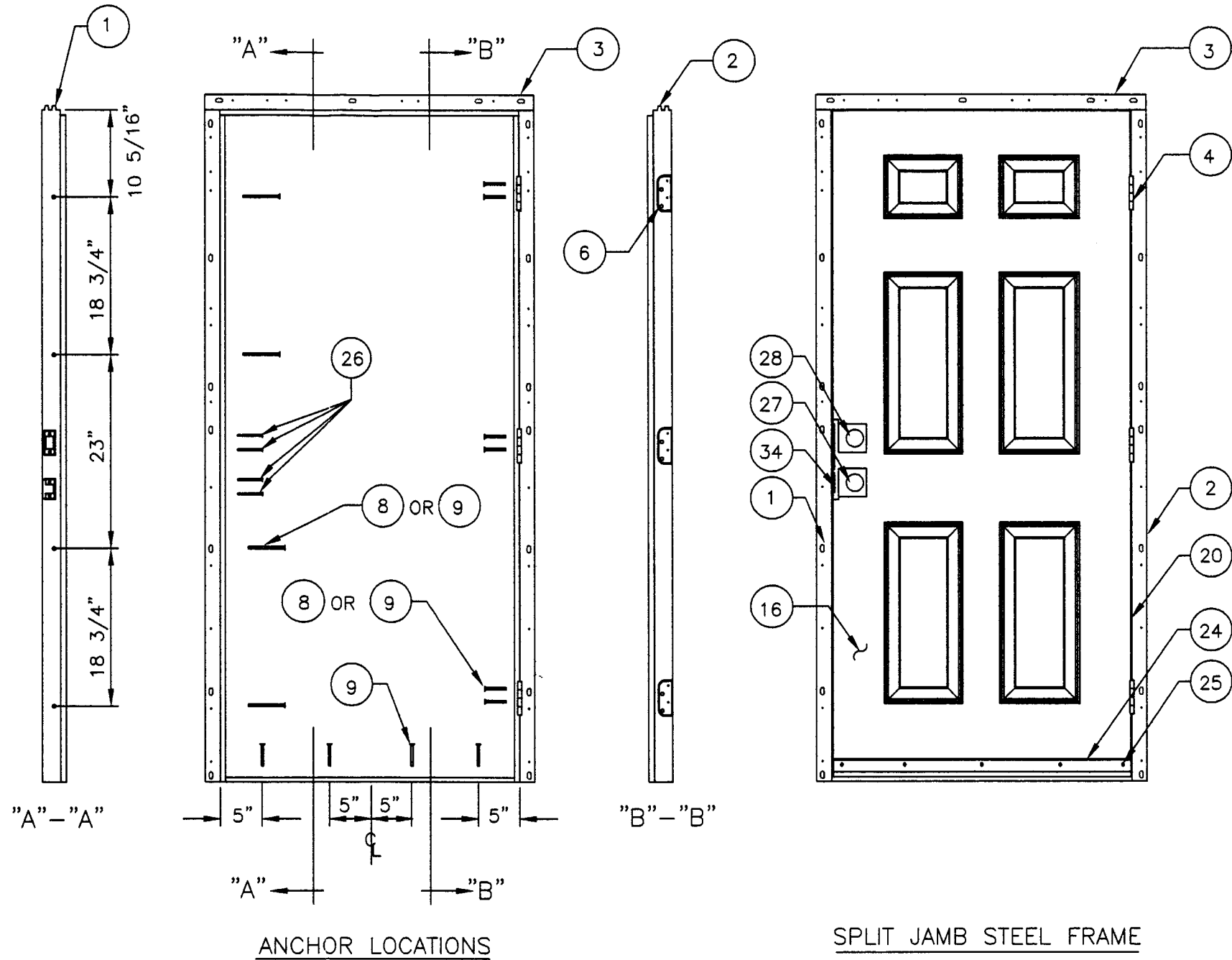
NO.	DATE	BY	REVISIONS

RgW
CONSULTING
(813) 684-3831

DATE: 3/1/02
SCALE: N.T.S.
DWG. BY: WLN
CHK. BY:
DRAWING NO.:
S-2241
SHEET 1 OF 7

SPLIT JAMB STEEL FRAME BILL OF MATERIAL

ITEM	DESCRIPTION
1a	Latch jamb 16ga (.062" thick C.R steel 1-13/16 x 3")
2a	Hinge jamb 16ga (.062" thick C.R steel 1-13/16 x 3")
3a	Base header 16ga (.062" thick C.R steel 1-13/16 x 3")
4	Benchmark 4" x 4" butt hinges 12ga.(.097") C.R steel
6	#10-24 x 5/8" FH. SMS (hinge to frame)
8	#10 x 2-1/2" lq PFHWS type A or AB (1-1/2" into wood)
9	3/16" tapcon (1-1/4" into masonry)
10	Saddle (barrier free) threshold (1/2x4x1/8" wall) extr.alum.
11	Two piece threshold (proprietary)
12	Bumper threshold (1/4-1"x 4 5/8 x 5/8" extruded alum.)
13	Compression weatherstrip Schlegel Q-Lon QDS 650
14	Magnetic weatherstrip TPE
16	Face sheet 24ga.(.024 thk.min)galv.steel A-525 Fy=23,000 psi.
17	Hinge steel reinforcement for door (.055" x 1-1/8" x 5-1/4")
18	Corner foamstop
19	#10 x 1 1/4" lq. type "A" FH. SMS.
20	Foam fill hole plug
21	Cross bore reinforcement (wood block 1-11/16x10-3/8x4")
22	Face steel plate filler (20ga. .036" min. x 1-1/8" x 4")
23	Face plate filler for deadbolt
24	Door sweep
25	#8 x 1/2" lq. type "AB" PH. SMS.
26	#10 x 3" lq. PFH. wood screw
27	Kwikset titan series lock
27a	Weslock series 1800 lock
27b	Kwikset series 200 DL passage
27c	Kwikset series 400 DL passage
27d	Kwikset 680 lock
28	Kwikset titan series deadbolt
28a	Weslock series 1800 deadbolt
28b	Kwikset 660 deadbolt
28c	Kwikset 660 deadbolt
28d	Kwikset 680 deadbolt
29	Latch screws (see lock manufacturing instructions)
30	Masonry wall
31	2x wood buck
32	Polyurethane (isocyanate & resin) foam (2.15 pounds density)
33	1/4" max. shim space
35	#10 X 1-1/2" lq. type "A" PPH. SMS.
36	Closure header 20ga.(.040" thick)C.R. steel decorative adj. trim
37	Closure jamb 20ga.(.040" thick) C.R. steel decorative adj. trim



THERMA-TRU CORPORATION
1687 WOODLANDS DRIVE
MAUMEE, OHIO
PH. (800) 537-8827

PRODUCT:
INSWING PREMIUM SERIES
STEEL DOOR
WITH STEEL FRAME

PART OR ASSEMBLY:
SPLIT JAMB STEEL FRAME
BILL OF MATERIAL

REVISIONS

100

RW
CONSULTING
813) 684-3831

Approved as complying with the
Florida Building Code
Date May 30, 2002
NOA# 02-0215-06
Miami Dade Product Control
Division
By Mamuel Ortiz

DATE: 3/1/02

SCALE: N.T.S.

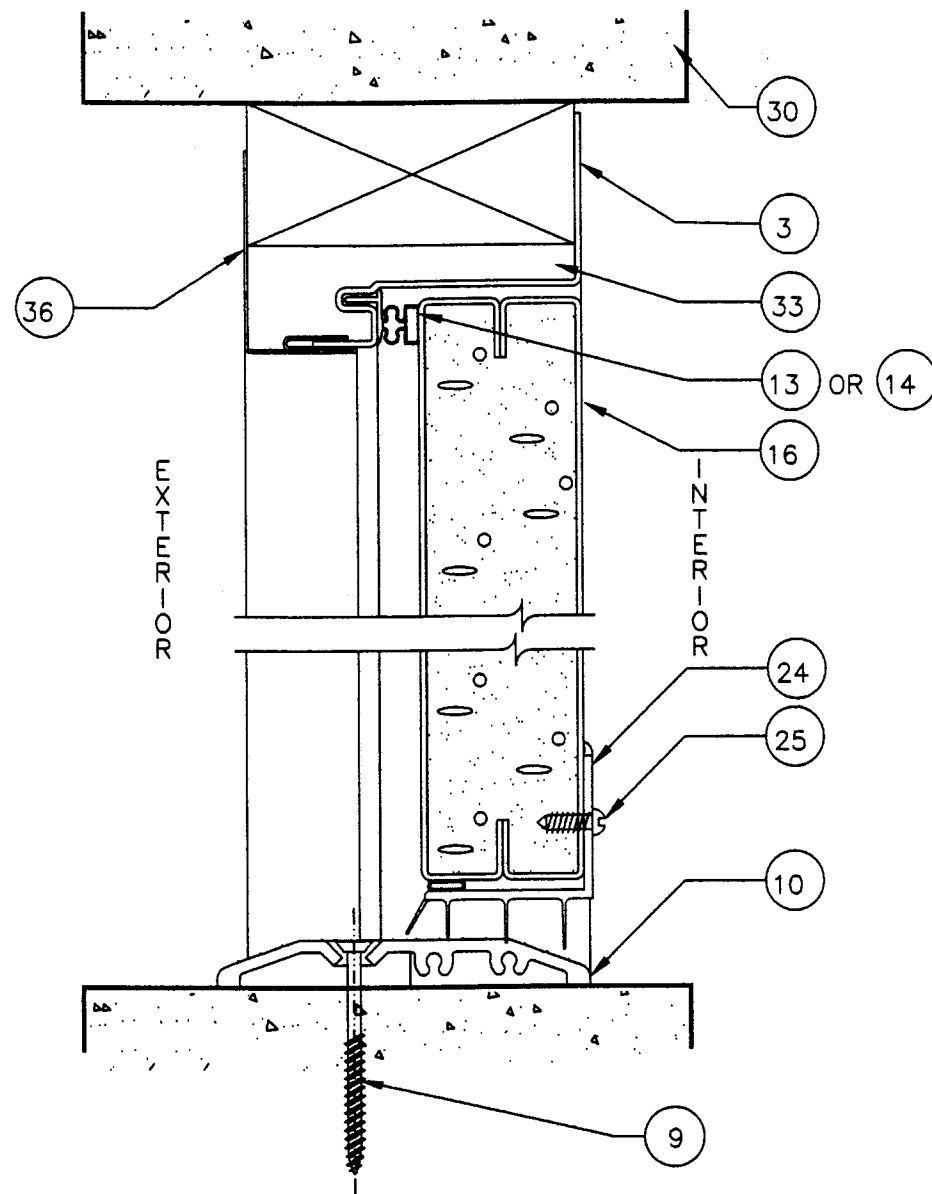
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CHK. BY:

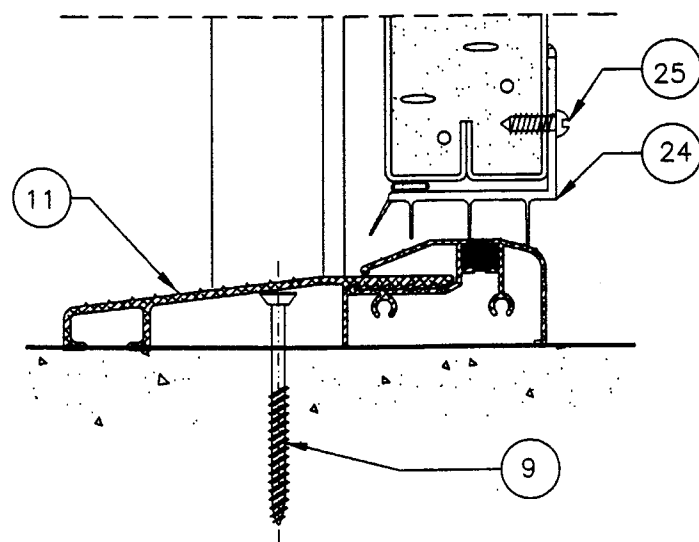
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S-2241

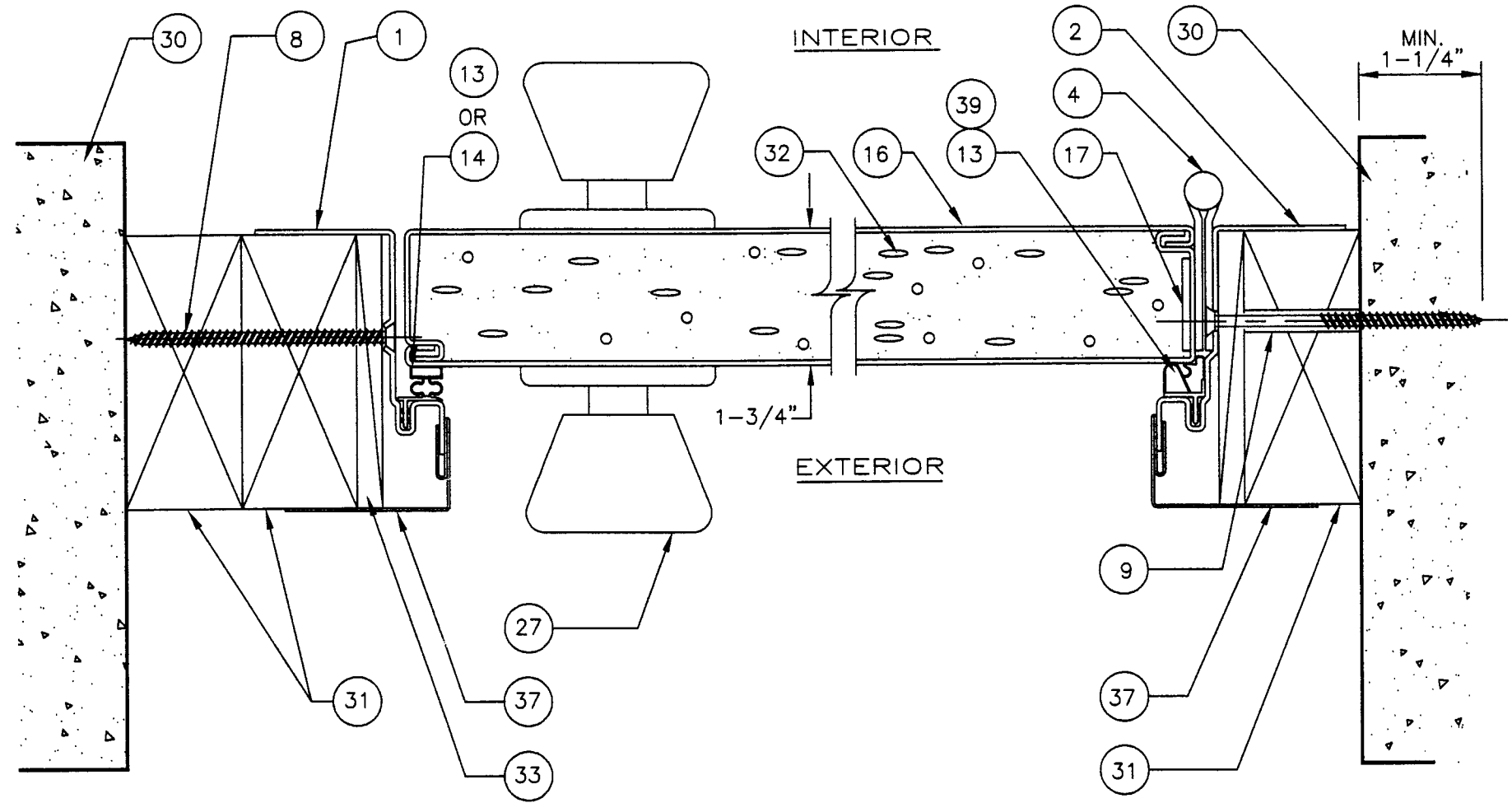
SHEET 2 OF 7



1
3 VERTICAL CROSS SECTION



OPTIONAL THRESHOLD



(TYP. INSTALLATION INTO
DOUBLE 2X WOOD BUCK)

(TYP. INSTALLATION
THRU 2X WOOD BUCK
INTO MASONRY)

2
3 HORIZONTAL CROSS SECTION

FOR SPLIT JAMB STEEL FRAME BILL OF MATERIAL (SEE SHEET 2 OF 7)

THERMA-TRU CORPORATION
1687 WOODLANDS DRIVE
MAUMEE, OHIO
PH. (800) 537-8827

PRODUCT:
INSWING PREMIUM SERIES
STEEL DOOR
WITH STEEL FRAME
PART OR ASSEMBLY:
SPLIT JAMB STEEL FRAME
CROSS SECTIONS

NO.	DATE	REVISIONS	BY

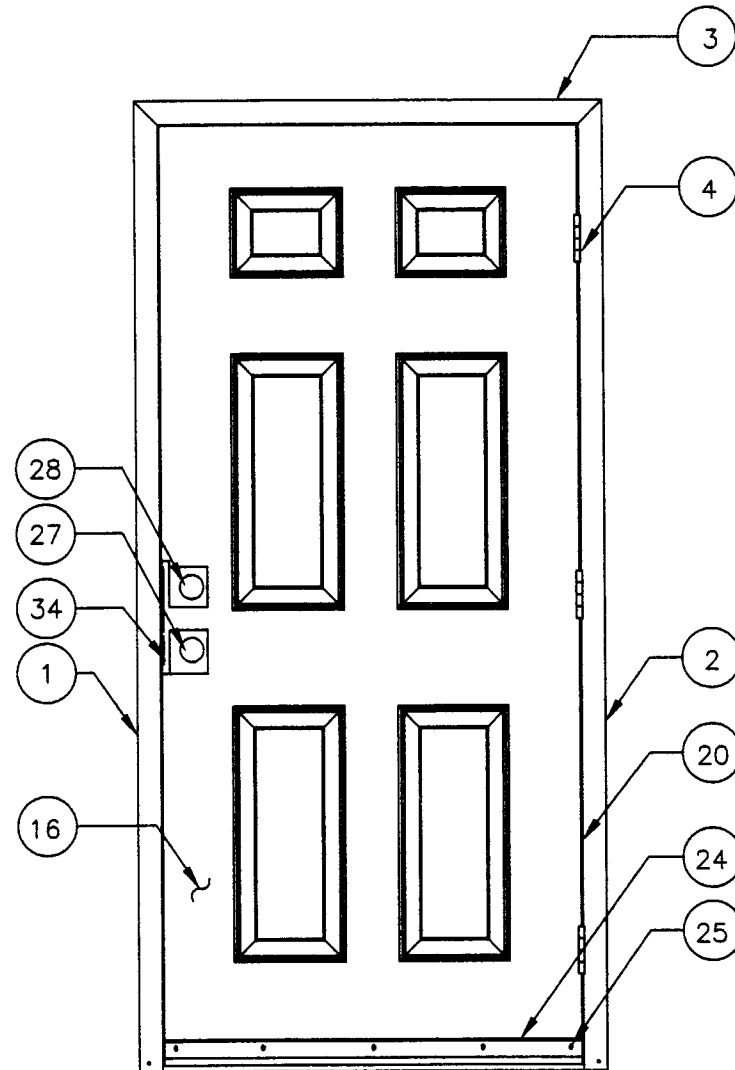
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Approved as complying with the
Florida Building Code
Date MAY 30, 2002
NOAH 02-0215.06
Miami Dade Product Control
Division
By M. Perry

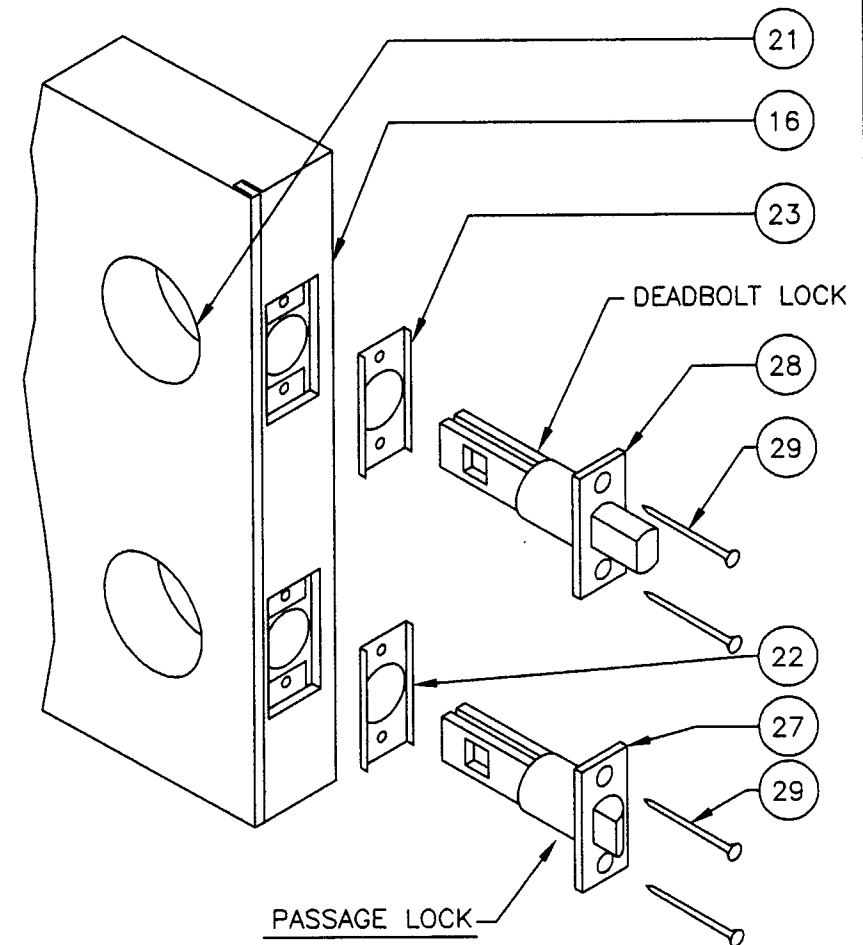
DATE: 3/1/02
SCALE: N.T.S.
DWG. BY: WLN
CHK. BY:
DRAWING NO.:
S-2241
SHEET 3 OF 7

HOLLOW METAL STEEL FRAME BILL OF MATERIAL

ITEM	DESCRIPTION
1	Latch jamb 16ga (.054" thick C.R steel 2" face x 6" deep)
2	Hinge jamb 16ga (.054" thick C.R steel 2" face x 6" deep)
3	Header 16ga (.054" thick C.R steel 2" face x 6" deep)
4	Benchmark 4" x 4" butt hinges 12ga.(.097") C.R steel
5	Hinge steel reinforcement for frame (.075"x1-1/4"x7-1/4")
6	#10-24 x 5/8" FH. SMS (hinge to frame)
7	3/8" x 5" hexagonal head lag screw
8	#10 x 2-1/2" lq PFHWS type A or AB (1-1/2" into wood)
9	3/16" tapcon (1-1/4" into masonry)
10	Saddle (barrier free) threshold (1/2x4x1/8" wall) extr.alum.
13	Compression weatherstrip Schlegel Q-Lon QDS 650
14	Magnetic weatherstrip TPE
16	Face sheet 24ga.(.024 thk.min)galv.steel A-525 Fy=23,000 psi.
17	Hinge steel reinforcement for door (.055" x 1-1/8" x 5-1/4")
18	Corner foamstop
19	#10 x 1 1/4" lq. type "A" FH. SMS.
20	Foam fill hole plug
21	Cross bore reinforcement (wood block 1-11/16x10-3/8x4")
22	Face steel plate filler (20ga. .036" min. x 1-1/8" x 4")
23	Face plate filler for deadbolt
24	Door sweep
25	#8 x 1/2" lq. type "AB" PH. SMS.
26	#10 x 3" lq. PFH. wood screw
27	Weslock series 1200
27a	Weslock VIKING passage
27b	Weslock # 640 entry lock
27c	Weiser "A" series passage
27d	Weslock # 640 entry lock
27e	Kwikset TITAN #720 passage
28	Kwikset titan series deadbolt
28a	Weslock series 1800 deadbolt
28b	Kwikset 660 deadbolt
28c	Kwikset 660 deadbolt
28d	Kwikset 680 deadbolt
29	Latch screws (see lock manufacturing instructions)
30	Masonry wall
31	2x wood buck
32	Polyurethane (isocyanate & resin) foam (2.15 pounds density)
33	1/4" max. shim space
34	3 Piece Wood Block Reinforcement
38	Masonry wall anchor
39	Steel "TEE" anchor
40	Compression anchor
41	Metal stud anchor



HOLLOW METAL FRAME
VIEW FROM INTERIOR



LOCK BLOCK DETAIL

THERMA-TRU CORPORATION
1687 WOODLANDS DRIVE
MAUMEE, OHIO
PH. (800) 537-8827

PRODUCT: INSWING PREMIUM SERIES
STEEL DOOR
WITH STEEL FRAME

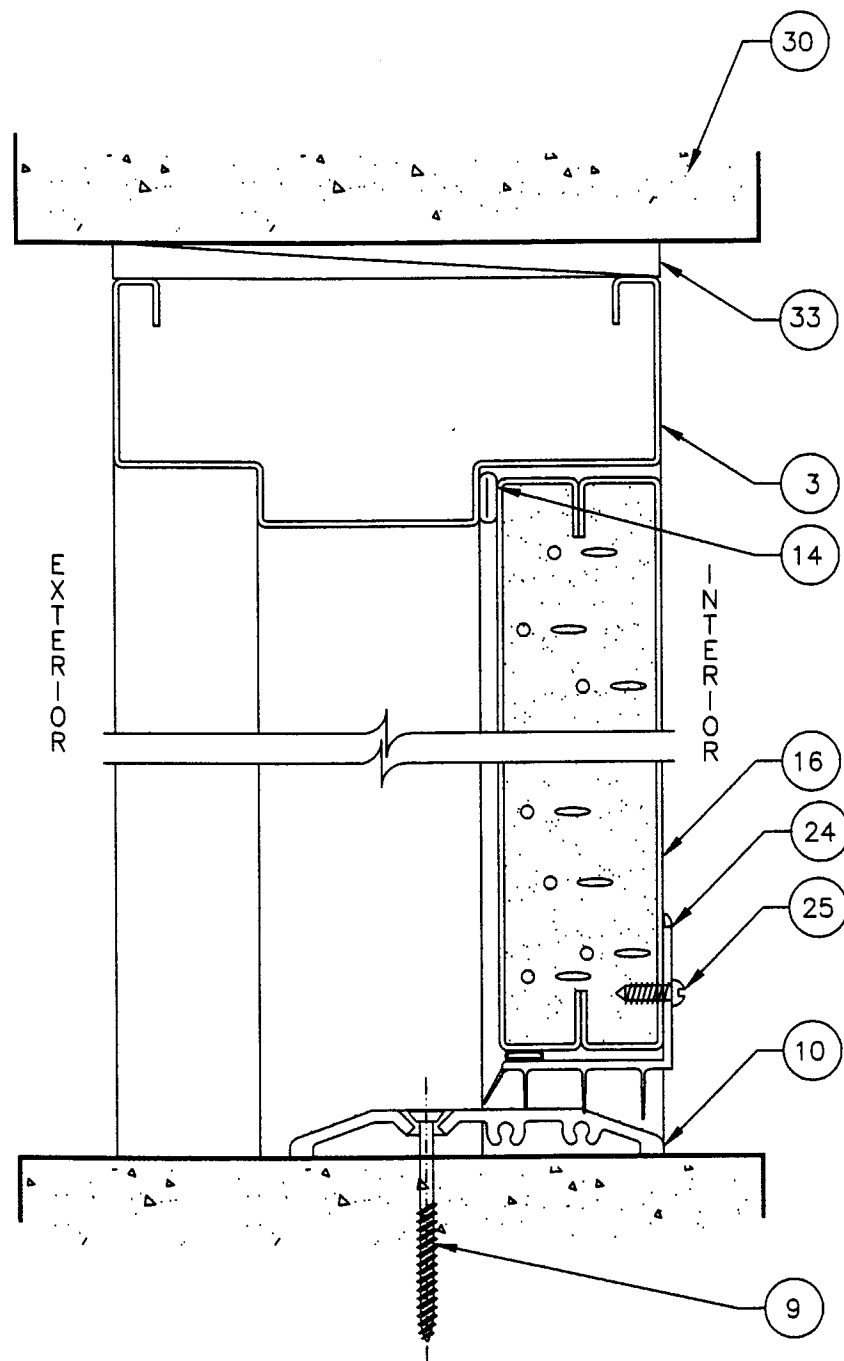
PART OR ASSEMBLY: HOLLOW METAL FRAME
BILL OF MATERIAL

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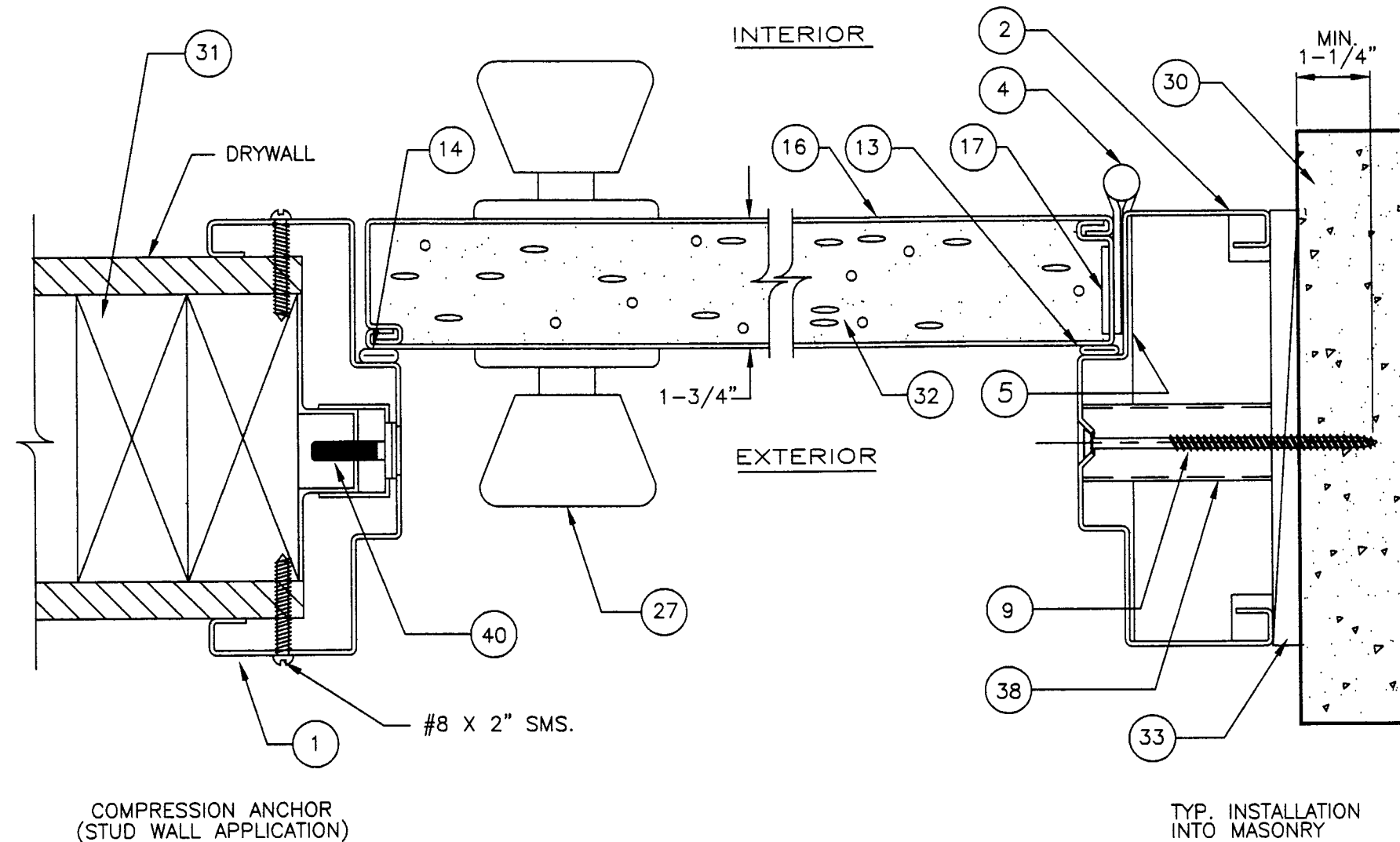
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CONSULTING
813) 684-3831

Approved as complying with the
Florida Building Code
Date MAY 30, 2002
NOA# 02-0215.06
Miami Dade Product Control
Division
By [Signature]

DATE: 3/1/02
SCALE: N.T.S.
DWG. BY: WLN
CHK. BY:
DRAWING NO.: S-2241
SHEET 4 OF 7



1
5 VERTICAL CROSS SECTION



2
5 HORIZONTAL CROSS SECTION

FOR HOLLOW METAL FRAME BILL OF MATERIAL (SEE SHEET 4 OF 7)

THERMA-TRU CORPORATION
1687 WOODLANDS DRIVE
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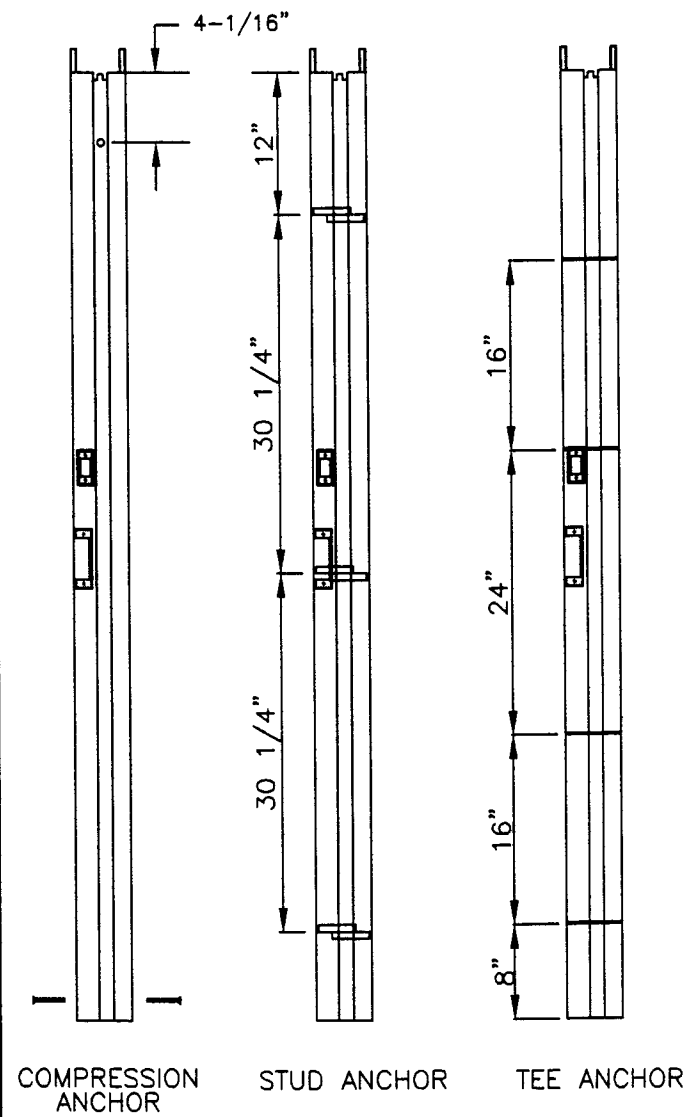
PRODUCT:
INSWING PREMIUM SERIES
STEEL DOOR
WITH STEEL FRAME
PART OR ASSEMBLY:
HOLLOW METAL FRAME
CROSS SECTIONS

NO.	DATE	REVISIONS	BY

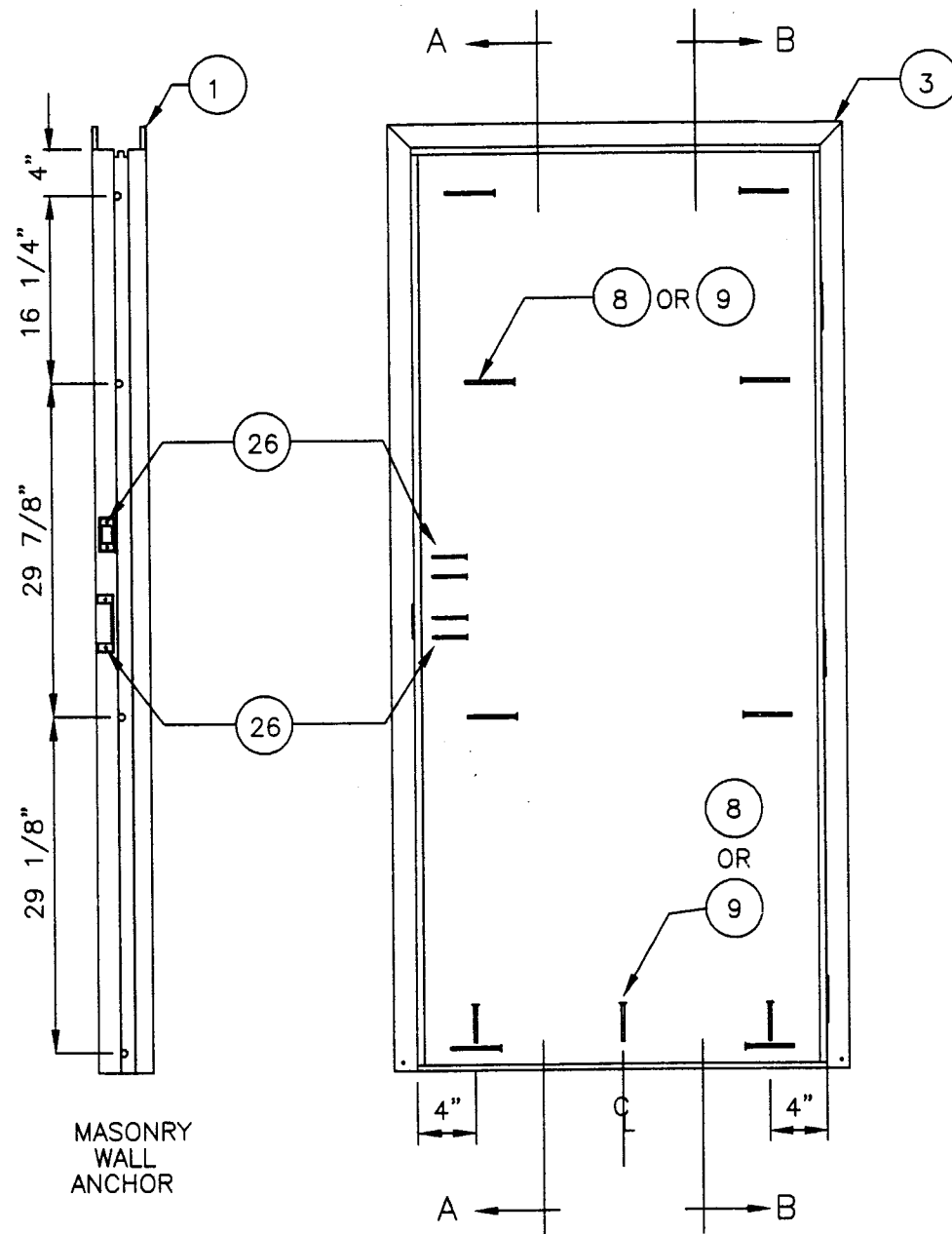
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Date MAY 30, 2002
NOA# 02-0215-06
Miami Dade Product Control
Division
By Maumee

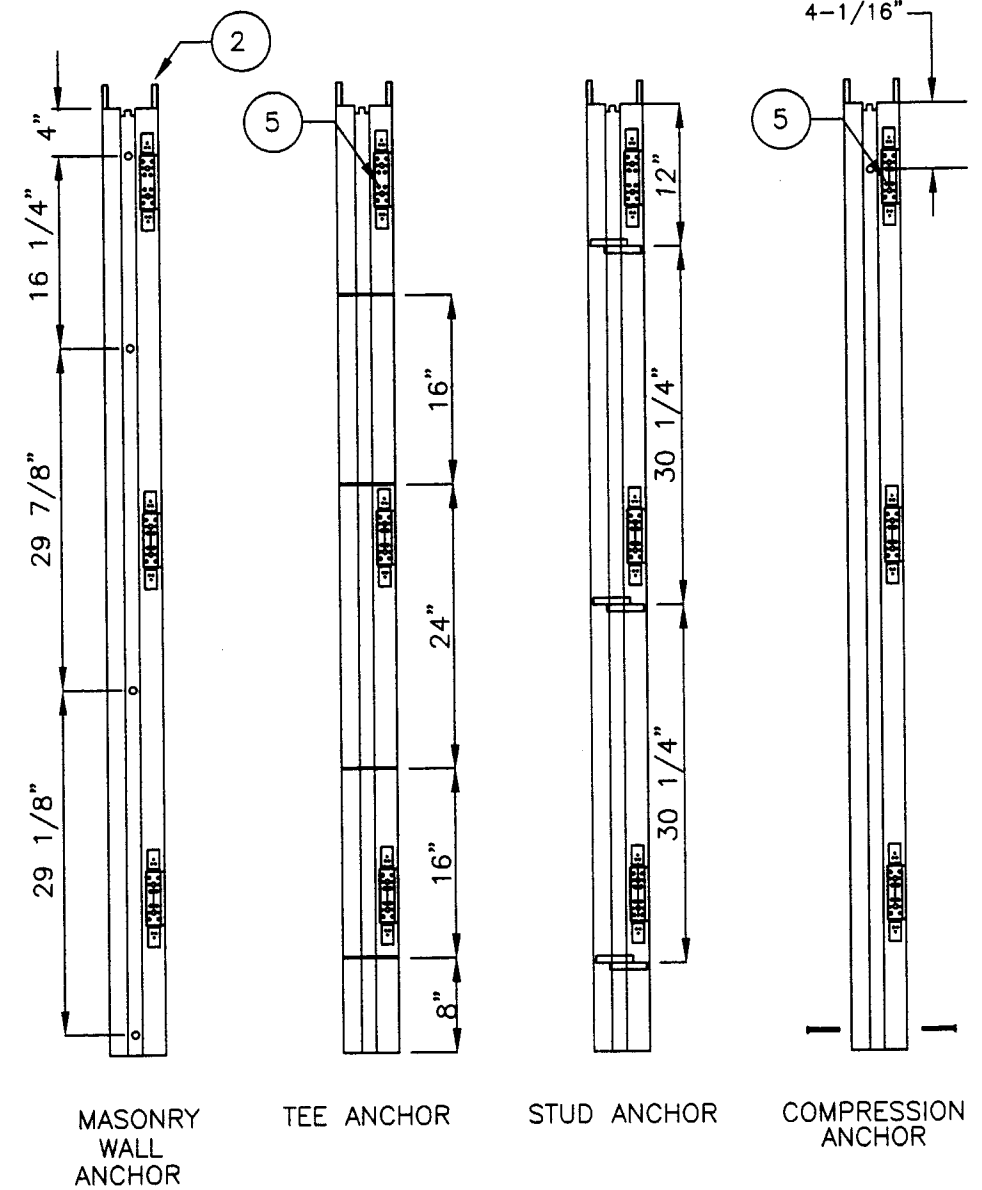
DATE: 3/1/02
SCALE: N.T.S.
DWG. BY: WLN
CHK. BY:
DRAWING NO.:
S-2241
SHEET 5 OF 7



A-A



ANCHOR LOCATIONS



B-B

THERMA-TRU CORPORATION
 1687 WOODLANDS DRIVE
 MAUMEE, OHIO
 PH. (800) 537-8827

PRODUCT:
 INSWING PREMIUM SERIES
 STEEL DOOR
 WITH STEEL FRAME
PART OR ASSEMBLY:
 HOLLOW METAL FRAME
 ANCHOR LAYOUT

NO.	DATE	REVISIONS	BY

RW
 CONSULTING
 (813) 684-3831

FOR HOLLOW METAL FRAME BILL OF MATERIAL (SEE SHEET 4 OF 7)

Approved as complying with the
 Florida Building Code
 Date MAY 30, 2002
 NOA# 02-0215.06
 Miami Dade Product Control
 Division
 By *[Signature]*

DATE: 3/1/02
 SCALE: N.T.S.
 DWG. BY: WLN
 CHK. BY:
 DRAWING NO.:
 S-2241
 SHEET 6 OF 7



L TABS TO BE FIELD CUT
WHEN ANCHOR USED
FOR METAL STUD
CONSTRUCTION



THERMA-TRU CORPORATION
1687 WOODLANDS DRIVE
MAUMEE, OHIO
PH. (800) 537-8827

PRODUCT:
INSWING PREMIUM SERIES
STEEL DOOR
WITH STEEL FRAME

PART OR ASSEMBLY:
HOLLOW METAL FRAME
ANCHOR OPTIONS

[illegible]

RW
CONSULTING
(813) 684-3831

DATE: 3/1/02

SCALE: N.T.S.

DWG. BY: WLN

CHK. BY:

DRAWING NO.:

S-2241

SHEET 7 OF 7

Approved as complying with the
Florida Building Code
Date MAY 30, 2002
NOAH# 02-0215-06
Miami Dade Product Control
Division
By M. Manuel